City of San José
Department of Transportation
Transportation Planning

4 North Second Street, Ste. 1000
San José, Ca, 95113
408-277-4304

Bicycle and Pedestrian Program

Collision Analysis
2003 3rd Quarter Report

John Brazil
Bicycle & Pedestrian Program Coordinator
Dept. of Transportation, City of San José
(408) 277-3771
John.Brazil@sanjoseca.gov

Dennis Yi
Bicycle & Pedestrian Program Intern
Dept. of Transportation, City of San José
(408) 277-4304 ext 148
Dennis.Yi@sanjoseca.gov

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Background and Introduction

To evaluate Traffic Collisions, the City of San José's Department of Transportation (DOT) obtains copies of Traffic Collision Reports (TCR) occurring in San Jose, which are prepared by the San Jose Police Department (SJPD) at the time of the collision. DOT then collects basic collision data using proprietary software called Traffic Accident Prevention System (TAPS). DOT staff enters approximately 14,000 TCRs into TAPS each year.

The City of San José Bicycle Pedestrian Program provides additional analysis of all TCRs involving bicyclists or pedestrians. This analysis is summarized and submitted by DOT staff for review by the City of San José's Bicycle Pedestrian Advisory Committee (BPAC).

Collisions are classified based on a system of assigning the party more at fault with one of a few crash types. The 2003 California Vehicle Code was referenced in regards to assigning fault in each collision.

Attached is the report for bicycle or pedestrian collisions that occurred during the third quarter of 2003.

I.   BICYCLE COLLISION DATA

In the third quarter of 2003, there were:
- 86 bicycle collisions[1]
- 16 Hit and Run collisions (14 drivers and 2 bicyclists fled scene)[2]
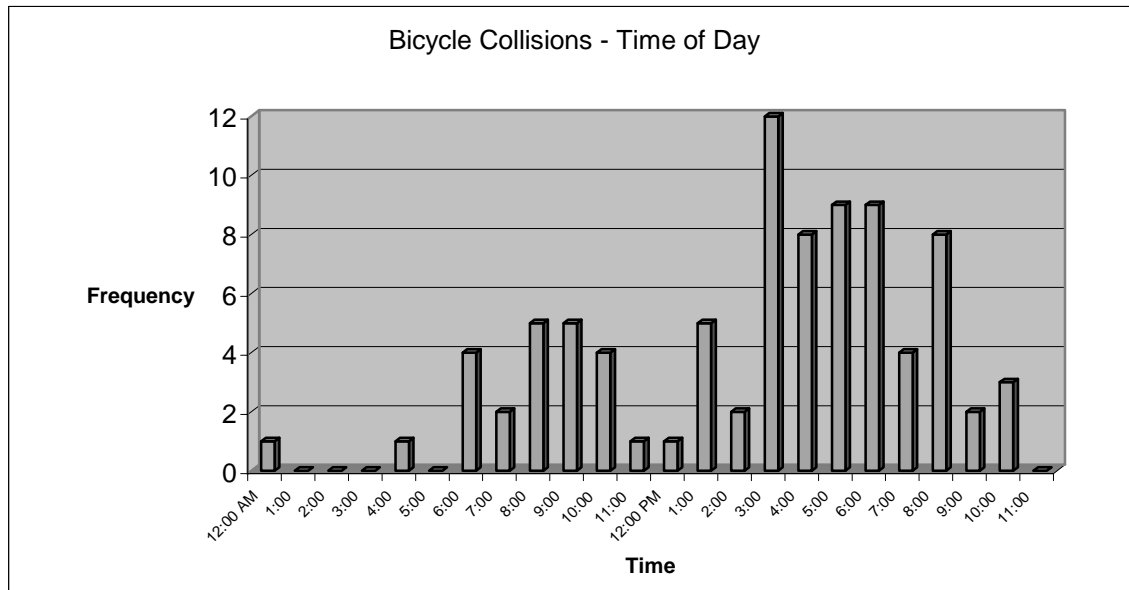

Figure 1.1[3]

Figure 1.2

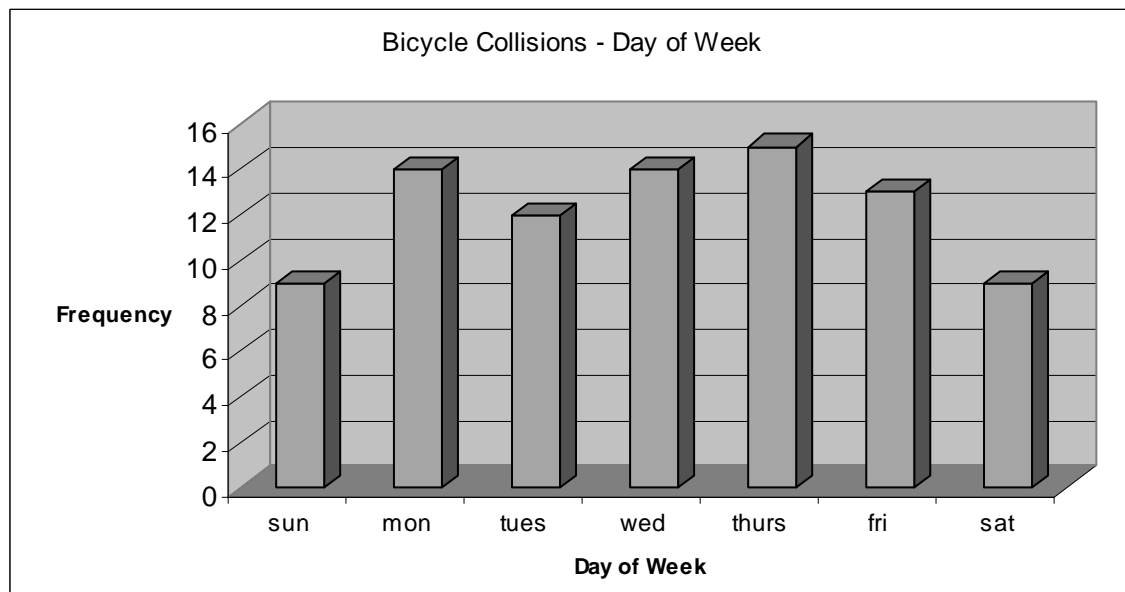[1] Data as of 10/24/2003. Note that crash data may change slightly as a result of late reports and changing medical conditions.

[2] Legally, fleeing the scene does not necessarily render a party most at fault.

[3] Some TCR's may not contain complete data in each field. Therefore, query totals may not match up to collision totals.

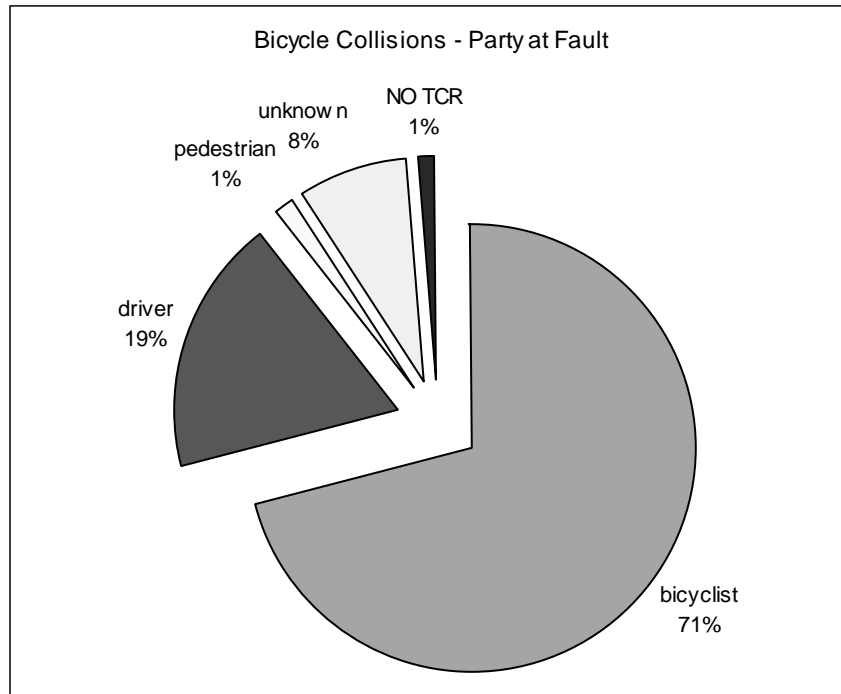Figure 1.3 (see table 1.1)

Bicycle Collisions - Party at Fault		
primary		**78**
	bicyclist	*61*
	driver	*16*
	pedestrian	*1*
unknown		**7**
NO TCR		**1**
total		**86**

Table 1.1

Bicyclist at Fault

Crash Types - Bicyclist at Fault

	FINT	FL	FS	LC	MD	MP	OTHER	SOLO	WW
■ Crash Types - Bicyclist at Fault	3	3	4	5	4	4	7	2	29

Frequency (y-axis: 0, 5, 10, 15, 20, 25, 30)
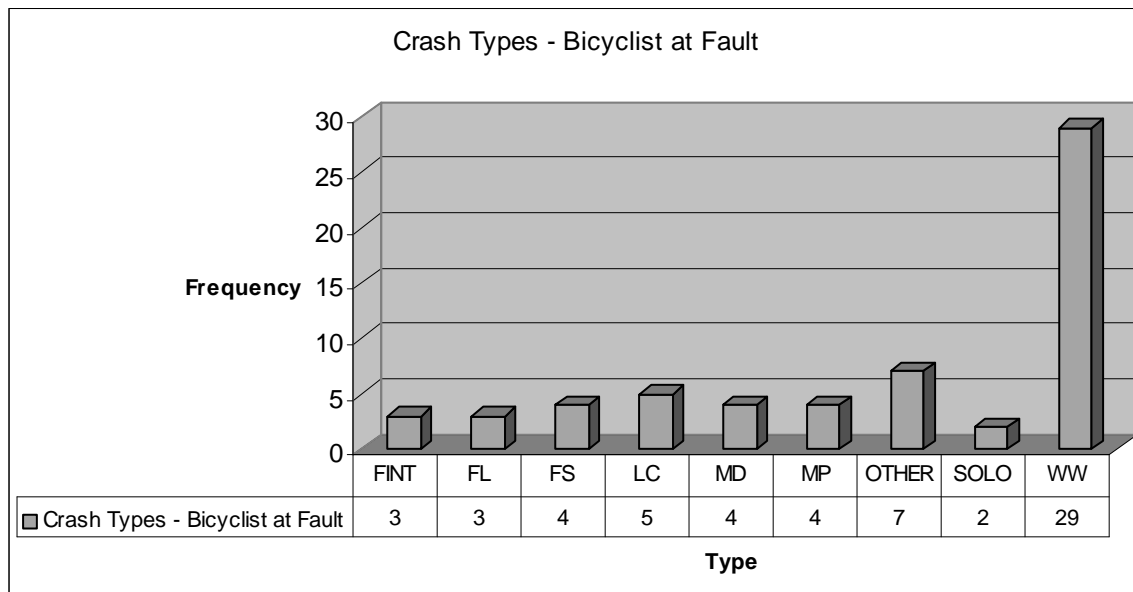
Type

Figure 1.4

Crash Type Abbreviations and Descriptions

WW   *Wrong Way* : Bicyclist riding on wrong side of roadway.
MP   *Mid-Block Pull-Out* : Bicyclist riding from driveway onto roadway.
MD   *Mid-Block Dash* : Bicyclist attempts to cross roadway when unsafe to do so at a mid-block location.
FS   *Failure to Yield, Stop Sign/Signal* : Bicyclist does not stop at stop sign or crosses a roadway against the signal.
LC   *Lane Change* : Bicyclist changes lane in an unsafe manner.
SOLO   *Solo* : Accident involving a bicyclist only.
OTHER *Other* : Crash type not defined by any of the types above (eg. Faulty bike components, towed by vehicle, jumping off curb into oncoming traffic).
FINT   *Failure to Yield in Intersection* : Bicyclist does not yield to a driver in the intersection, not defined by FR or FL.
FL   *Failure to Yield, Left Turn* : Bicyclist making a left turn does not yield to oncoming traffic.
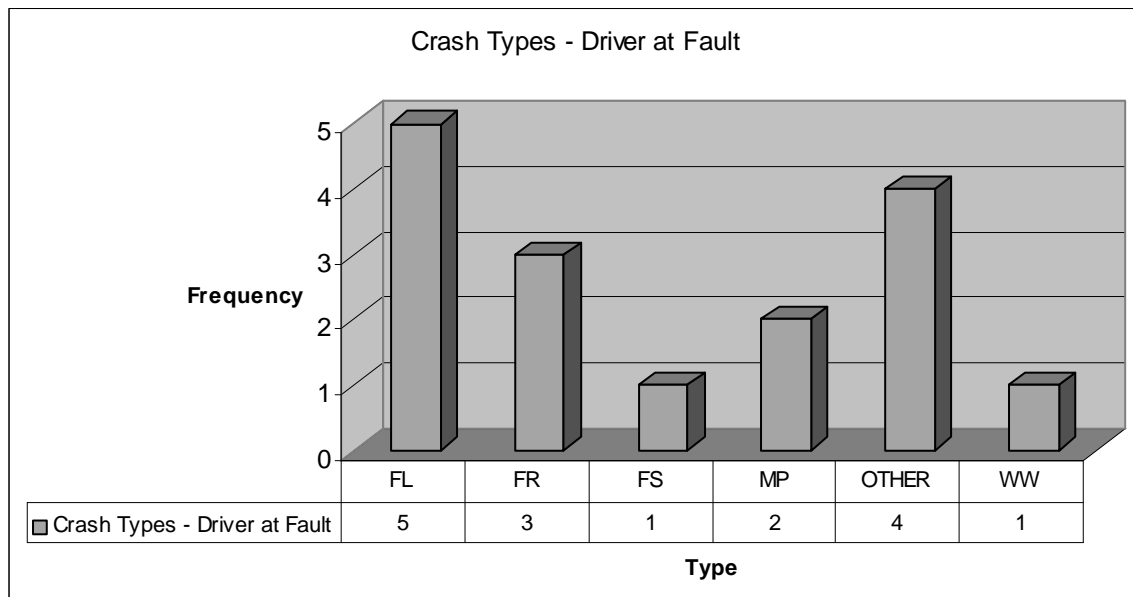
Driver at Fault

Crash Types - Driver at Fault

	FL	FR	FS	MP	OTHER	WW
Crash Types - Driver at Fault	5	3	1	2	4	1

Frequency

Type

Figure 1.5

Crash Type Abbreviations and Descriptions

MP   *Mid-Block Pull-In/Out* : Driver pulls into or out of driveway.

FS   *Failure to Yield, Stop Sign/Signal* : Driver does not stop at stop sign or crosses a roadway against the signal.

FL   *Failure to Yield, Left Turn* : Driver making a left turn does not yield to bicyclist.

FR   *Failure to Yield, Right Turn* : Driver making a right turn does not yield to bicyclist.

OTHER   *Other* : Crash type not defined by any of the types above (eg. Speeding, opened car door, rear end bicycle).

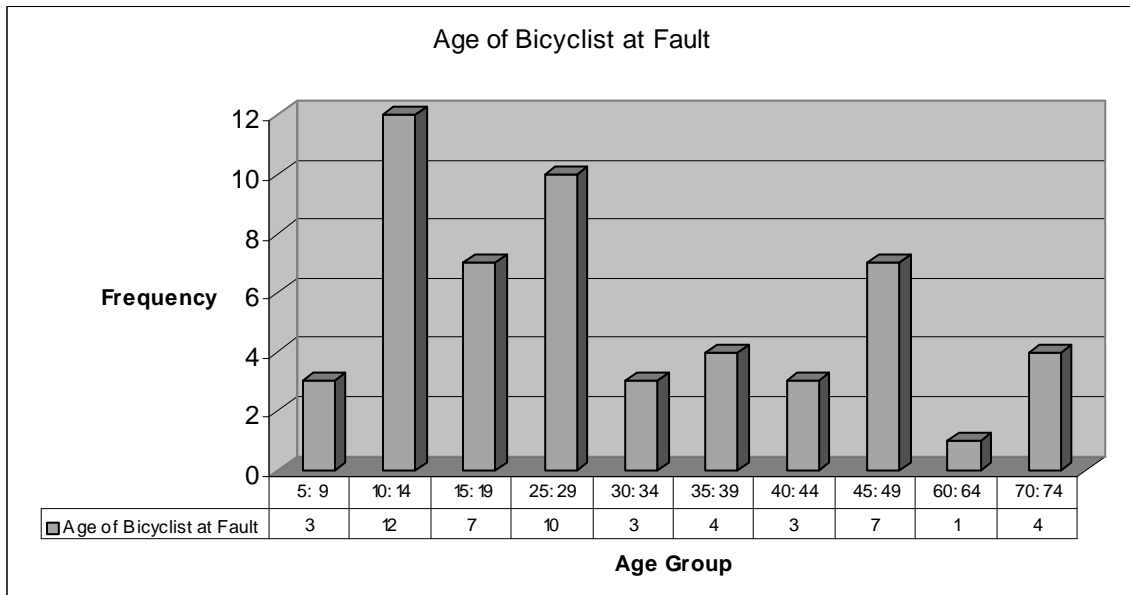**WW**   *Wrong Way* : Driver riding on wrong side of roadway.

Age of Bicyclist at Fault

Age of Bicyclist at Fault

Age Group	5: 9	10: 14	15: 19	25: 29	30: 34	35: 39	40: 44	45: 49	60: 64	70: 74
Age of Bicyclist at Fault	3	12	7	10	3	4	3	7	1	4

Figure 1.6

Age of Driver at Fault

Age of Driver at Fault

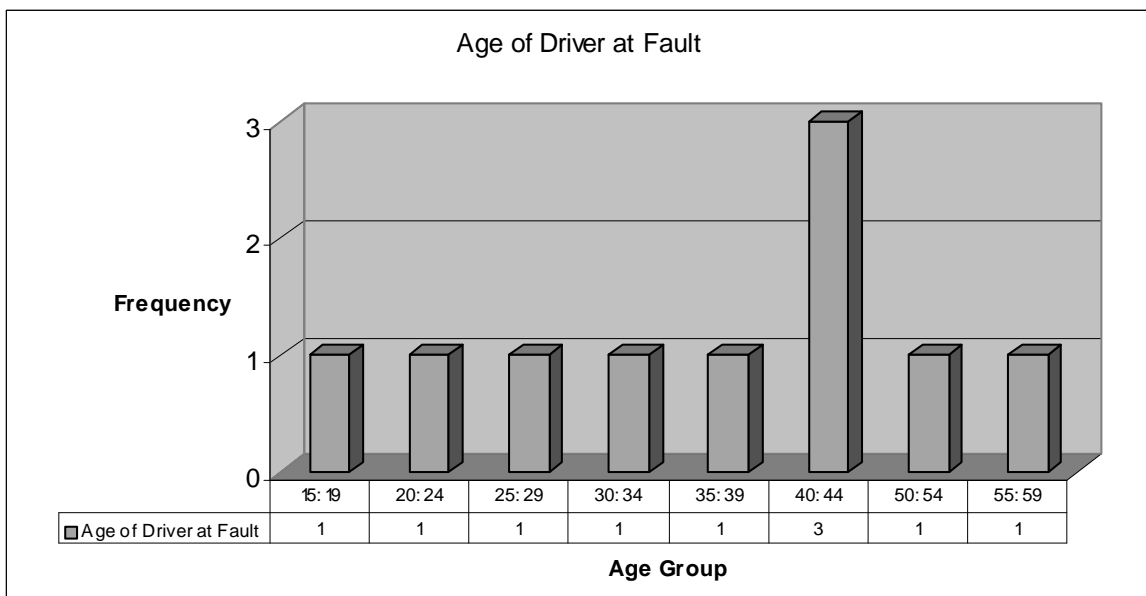| Age Group	15: 19	20: 24	25: 29	30: 34	35: 39	40: 44	50: 54	55: 59
Age of Driver at Fault	1	1	1	1	1	3	1	1

Figure 1.7

II.   PEDESTRIAN COLLISION DATA

In the third quarter of 2003, there were:
- 64 pedestrian collisions[4]
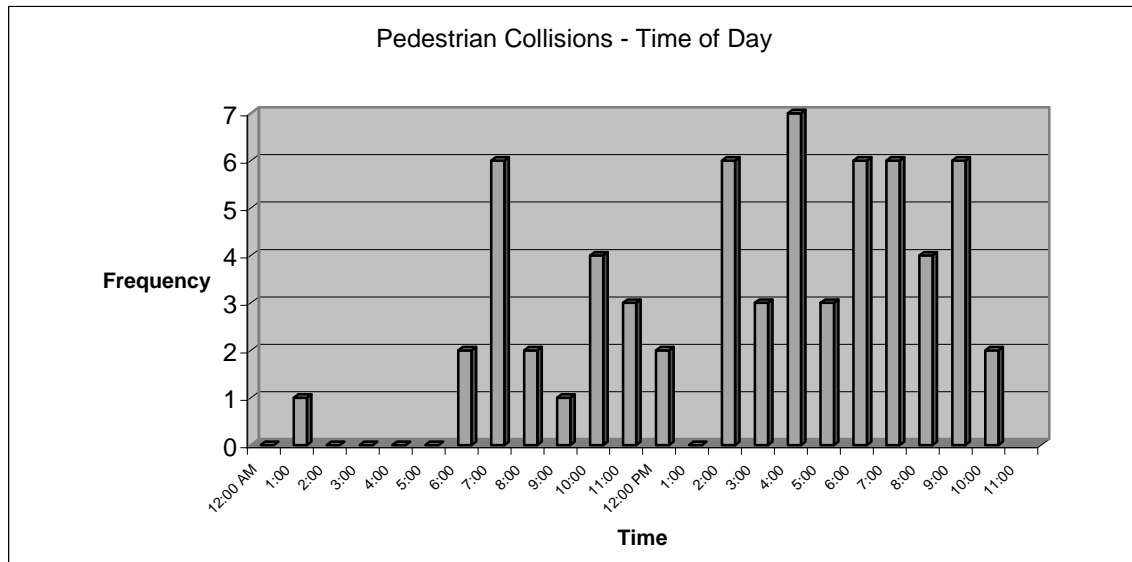- 16 Hit and Run Collisions (16 Drivers fled scene)

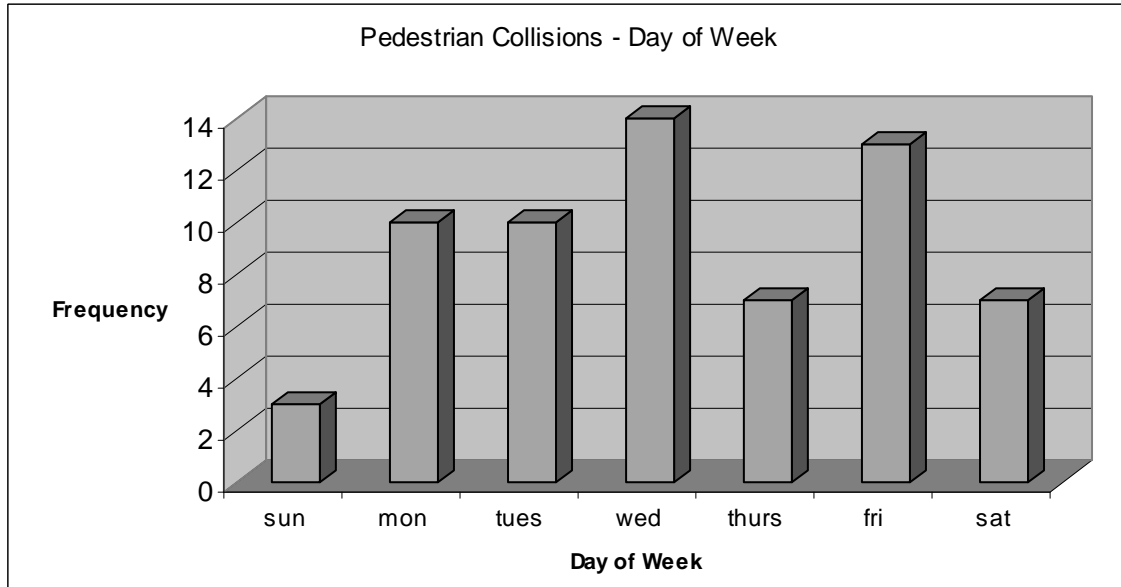**Pedestrian Collisions - Time of Day**

Figure 2.1

Pedestrian Collisions - Day of Week

Figure 2.2

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[4] Data as of 10/24/2003.

Pedestrian Collisions - Party at Fault

unknow n
8%

NO TCR
2%

pedestrian
44%
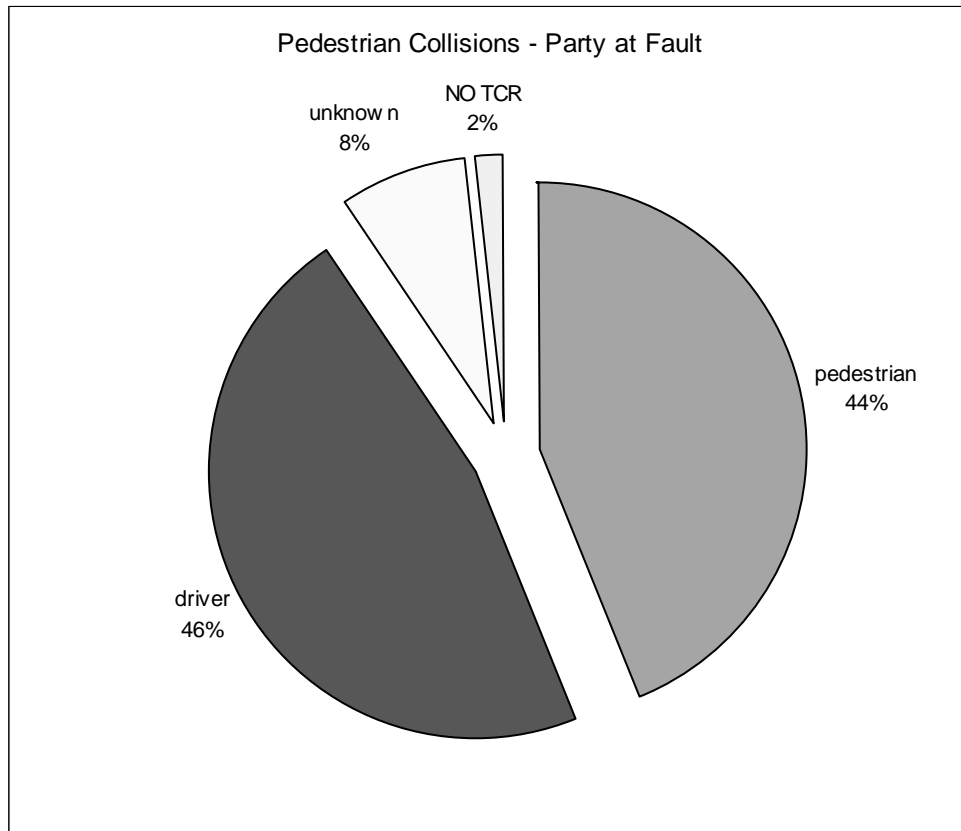
driver
46%

Figure 2.3 (see table 2.1)

Pedestrian Collisions - Party at Fault		
primary		**58**
	pedestrian	*28*
	driver	*30*
unknown		**5**
no tcr		**1**
total		**64**

Table 2.1

Pedestrian at Fault

Crash Types - Pedestrian at Fault

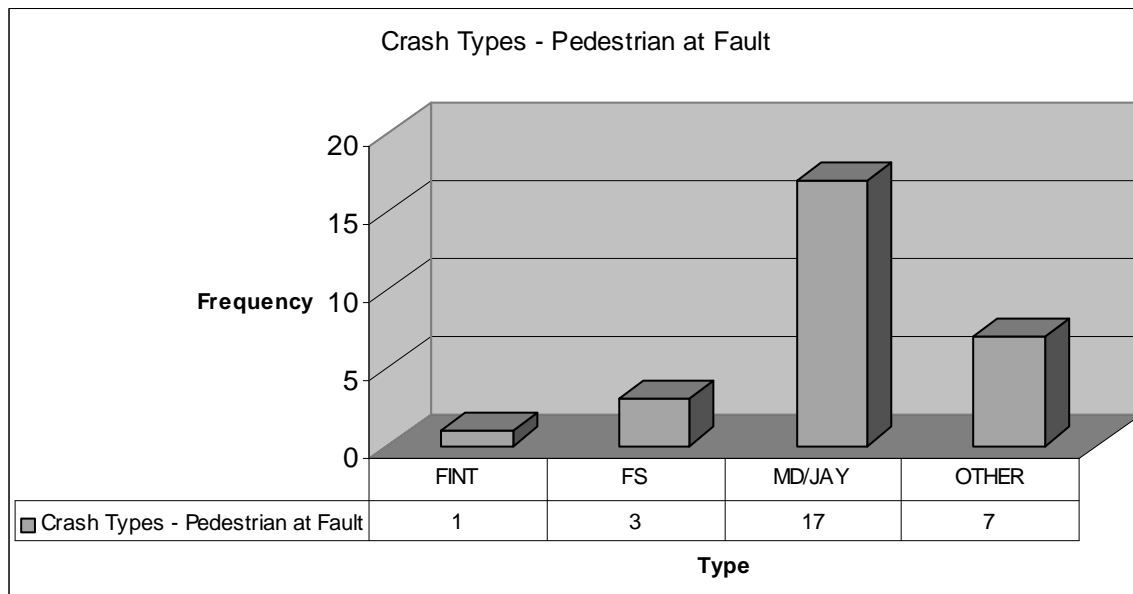|	FINT	FS	MD/JAY	OTHER
Crash Types - Pedestrian at Fault	1	3	17	7

Type

Frequency

Figure 2.4

Crash Type Abbreviations and Descriptions

MD/JAY   *Mid-Block Dash/Jaywalking* : Pedestrian crosses a roadway at mid-block and in a non-crosswalk.
FS   *Failure to Yield, Stop Sign/Signal* : Pedestrian crosses a roadway against the signal
FINT   *Failure to Yield in Intersection* : Pedestrian does not yield to a driver in the intersection.
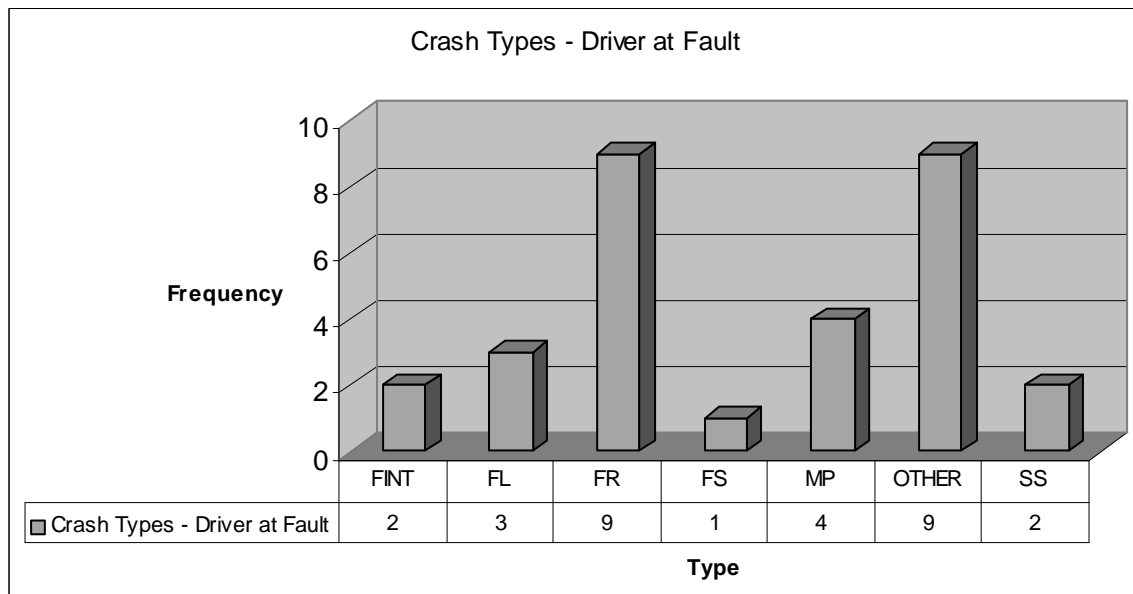**OTHER**   *Other* : Crash type not defined by any of the types above.

Driver at Fault

Crash Types - Driver at Fault

	FINT	FL	FR	FS	MP	OTHER	SS
■ Crash Types - Driver at Fault	2	3	9	1	4	9	2

Figure 2.5

Crash Type Abbreviations and Descriptions

MP   *Mid-Block Pull-In/Out* : Driver pulls into or out of driveway.
FS   *Failure to Yield, Stop Sign/Signal* : Driver does not stop at stop sign or crosses a roadway against the signal.
FL   *Failure to Yield, Left Turn* : Driver making a left turn does not yield to pedestrian.
FR   *Failure to Yield, Right Turn* : Driver making a right turn does not yield to pedestrian.
FINT   *Failure to Yield in Intersection* : Driver does not yield to a pedestrian in the intersection.
OTHER   *Other* : Crash type not defined by any of the types above.
SS   *Sideswipe*: Driver drives too close to bicyclist and hits pedestrian usually with side view mirror.
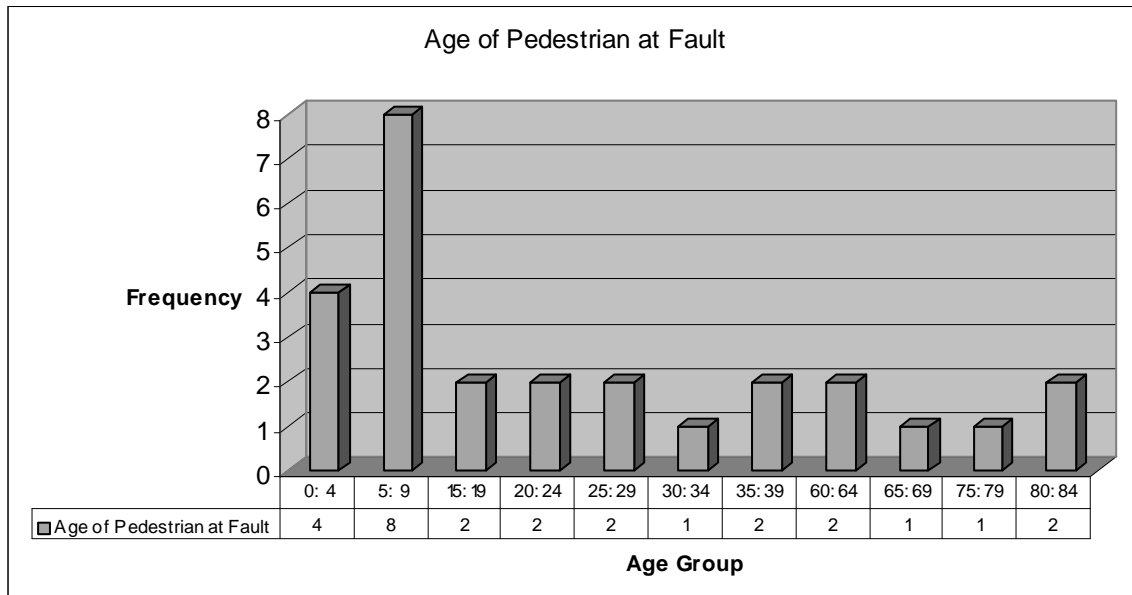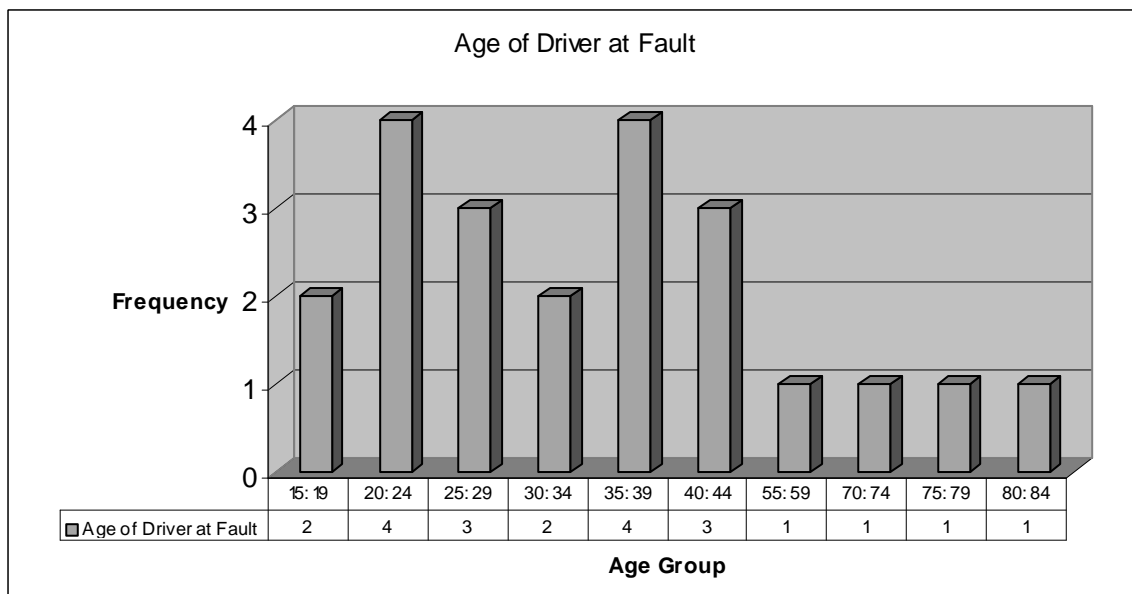
Age of Pedestrian at Fault

Age of Pedestrian at Fault

	0: 4	5: 9	15: 19	20: 24	25: 29	30: 34	35: 39	60: 64	65: 69	75: 79	80: 84
Age of Pedestrian at Fault	4	8	2	2	2	1	2	2	1	1	2

Age Group

Figure 2.6

Age of Driver at Fault

Age of Driver at Fault

	15: 19	20: 24	25: 29	30: 34	35: 39	40: 44	55: 59	70: 74	75: 79	80: 84
Age of Driver at Fault	2	4	3	2	4	3	1	1	1	1

Age Group

Figure 2.7